

ABSTRACT OF THE DISCLOSURE

[78] A communication system for retrieving content stored in a content server (e.g., web server) is disclosed. The system includes a client that is configured to transmit a message requesting content specifying an object from a content server. The system also includes a plurality of proxy servers that include a downstream proxy server and an upstream proxy server. The downstream proxy server is configured to communicate with the client. The upstream proxy server is configured to retrieve the content from the content server and to forward information associated with the object over a data network to the downstream proxy server prior to the client transmitting another message requesting the object. The above arrangement has particular application to a wide area network, such as a satellite network.